

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/039173 A3

(51) International Patent Classification⁷: **H04N 3/15, 5/335**

(21) International Application Number:
PCT/IL2004/000934

(22) International Filing Date: 11 October 2004 (11.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/512,632 20 October 2003 (20.10.2003) US

(71) Applicant (for all designated States except US): **CREO IL. LTD.** [IL/IL]; Ms. Ronny Fogel, 3 Hamada Street, 46103 Herzlia (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KOSOVER, Yoram** [IL/IL]; 3 Ein Gev Street, 75283 Rishon Lezion (IL). **AL-ADIN, Achmed** [IL/IL]; 7000/48 Street, 16000 Nazareth (IL). **BARKAN, Stanley** [IL/IL]; 34 Ein Ayala, 30825 Hof Hacarmel (IL). **KALINSKI, Dov** [IL/IL]; Tevet 7, 45219 Hod Hasharon (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
9 June 2005

[Continued on next page]

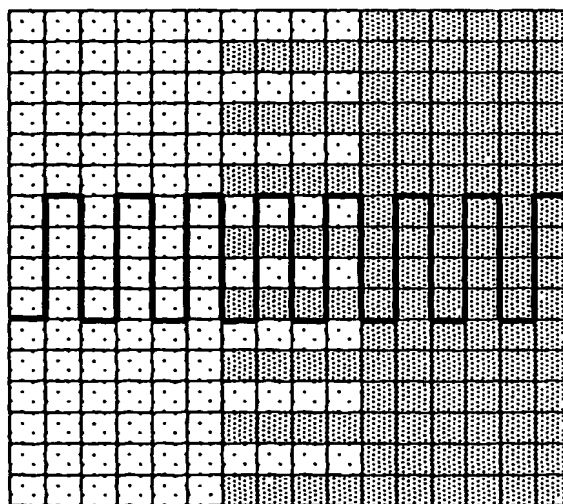
(54) Title: METHOD AND DEVICE FOR USING MULTIPLE OUTPUTS OF IMAGE SENSOR

1st (top-left)
readout section

2nd (top-right)
readout section

3rd (bottom-left)
readout section

4th (bottom-right)
readout section



(57) Abstract: A method and apparatus for correcting signal differences between at least two adjacent parts of a radiation-sensitive sensor, each containing a contiguous set of radiation-sensitive sites read out through a respective separate electronic processing mean, by increasing the perimeter of the border between the adjacent parts of the sensor read out through separate electronic processing means and using at least one set of adjacent values from each of the adjacent parts to compute a correction to be applied to a signal read out of at least one of the adjacent parts.

WO 2005/039173 A3



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.